

# Personal, Home & Family Preparedness

## Presented by Huntington Beach CERT

### Sponsored by the HB Fire Department

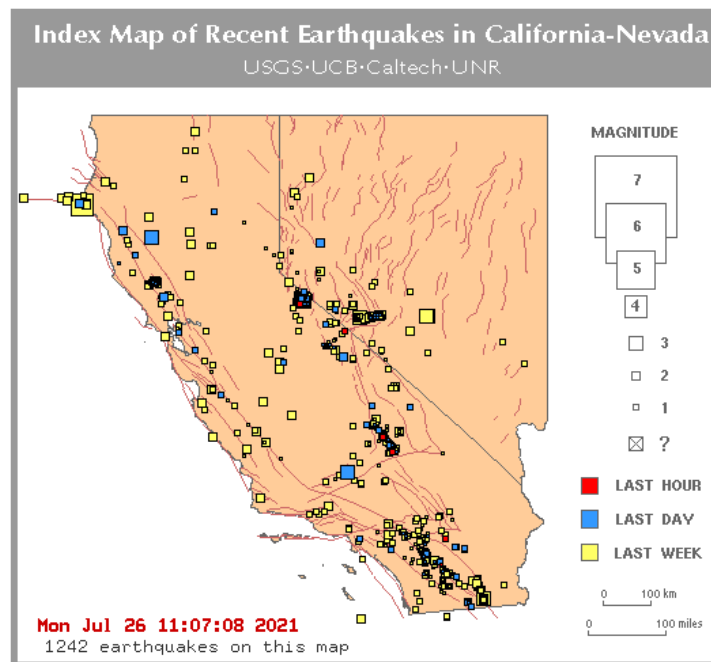


### *Neighbors-Helping-Neighbors*

#### **MISSION STATEMENT**

**The mission of the Community Emergency Response Team (CERT)**

**Program is to provide information and training on disaster preparedness; provide leadership and coordination during an emergency, and assistance to help victims recover from an emergency**



For a population of 200,000 we have only  
41 Firefighters on duty at any one time

1 firefighter per  
4,900 residents

1 engine per  
18,000 residents

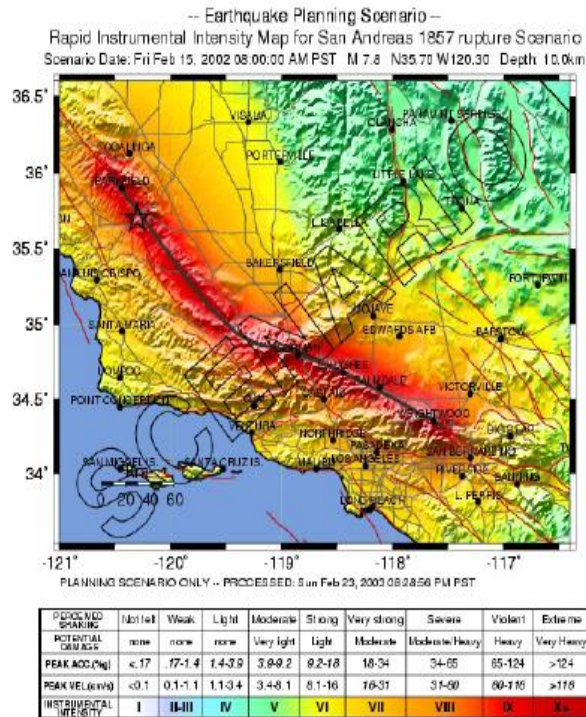


# What will the priorities be?

- Hospital
- 4 Convalescent Hospitals
- High rise buildings
- 32 Public Schools
- 10+ Private schools
- Dozens of pre-schools
- 50+ Strip malls
- Thousands on the beach
- Thousands downtown
- 126 Districts/  
Neighborhoods
- Fires
- Explosions
- Hazardous chemical spills
- Trapped victims
- Injured victims
- Heart attacks



# Worst Case Scenario



- 7.2 to 8.3 on the San Andreas
- This will likely happen in our lifetimes, & could happen today
- Shaking for 2-4 minutes!
- 20' to 30' Slip
- Two aftershocks over 7.0 magnitude

# What to Expect

- Loss of communications
- Loss of utilities
  - Water
  - Sewer
  - Power
  - Gas
- Potential for massive urban fires
- Collapsed buildings
- Overloaded medical systems



# During the Earthquake

- Learn the SAFE spots in your home, work, high rise, outdoors, driving, crowded store
- Drop, cover, hold under table is best
- What to do if you are in a wheelchair?
- If in bed, stay in bed curl into ball and put pillow over your head
- Be sure to put on sturdy shoes before walking around

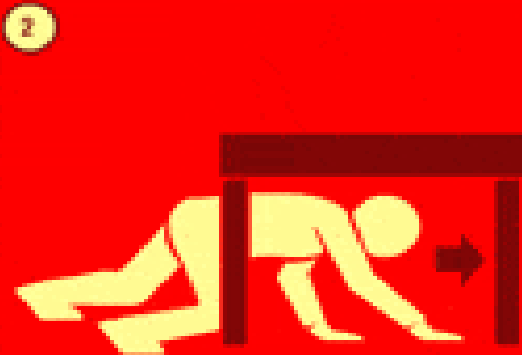




# What do You Do?



**DROP!**



**COVER!**



**HOLD ON!**



**LOCK!**



**COVER!**



**HOLD ON!**

# Drop, Cover & Hold Continued

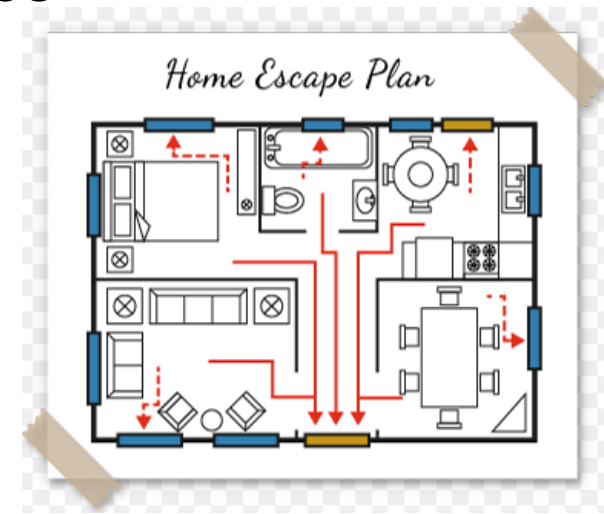
- Try to stay calm
- Do not run for children/pets: stay put, take care of yourself first
- Practice home and work drills!
- Move away from fireplace





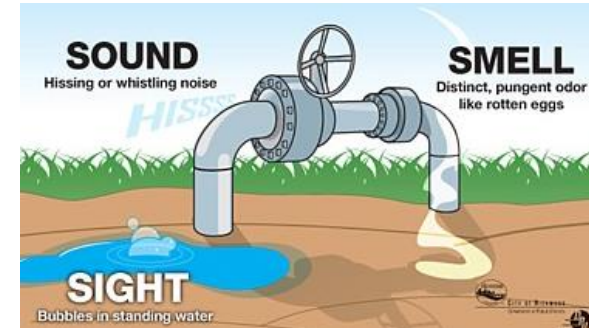
# After the Earthquake

- Evacuate the home if you feel it is not safe to remain inside
- Before leaving the building, be sure there are no hazards such as a downed chimney, power lines or parts of the building blocking your exit
- Do not start car or open garage door without making sure there is not a gas leak
- Don't turn on lights, stoves or anything that can cause a spark
- Do not use any open flame such as candles
- Assemble family at pre-planned spot
- Disconnect damaged appliances

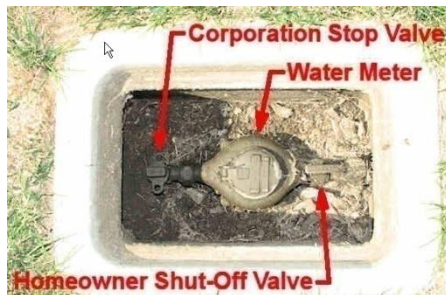


# Utility Shutoffs

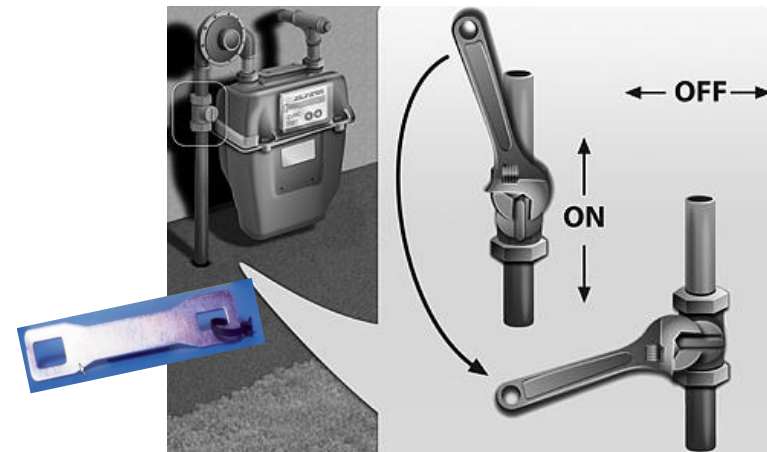
- Check for gas, electric, water leaks
- Only shut utilities off if leaking
- Gas – Have gas wrench attached to meter; can purchase at any hardware store
- Call Gas Company, Water Department or Southern California Edison to turn utilities back on once they are turned off



## Water



## Electric



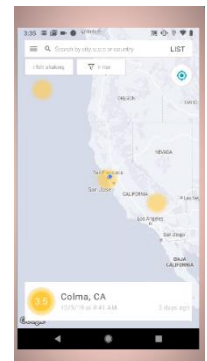
# Secure Water Heaters

- Per HB City Code - All water heaters must have seismic restraints consisting of two (2) one and one quarter inch (1 1/4") wide straps, one located in the upper one - third of the tank and one located in the lower one - third of the tank & a minimum of four inches (4") above the gas valve control
- There should be very little space between the water heater & the wall
- Wrap the heavy-gauge metal strapping 1 ½ times around the tank
- Secure this strapping to the wall studs
- Replace all copper & metal piping with flexible natural gas & water line connectors
- Ask for help at your local hardware store or a plumber



# How would I find out about an emergency?

- Emergency Alerting System (EAS) - Follow instructions given
- *Alert OC* - County-wide mass notification system
  - ❖ All 911 data is included but you can add cell phones, e-mail & text
  - ❖ To add information go to [www.AlertOC.gov](http://www.AlertOC.gov)
- Siren System
  - ❖ In the event of an emergency in Huntington Beach, there are 8 sirens located at the fire stations
  - ❖ They are tested the first Friday of the month at 12:00 noon
  - ❖ If you hear them at any other time
    - Tune to 107.9 KWVE (OC specific information)
    - Await instructions
- Do NOT call 911 for information
- Download the My Shake app to your phone for early earthquake warnings!



# Special Considerations for Manufactured Homes During an Earthquake

- Manufactured home owners/residents need to know the physical location of piers/supports under their homes
- During a severe earthquake, manufactured homes have been known to drop off their supports and these supports may come through the floor causing physical damage
- Be sure you have your home professionally braced to avoid it slipping off the piers/supports



# Bracing Your Manufactured Homes

## *Bracing can make a big difference*

Mobile homes are



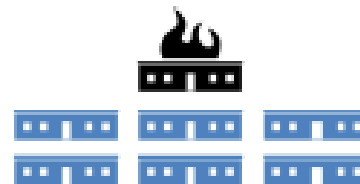
times more  
vulnerable than  
woodframe  
houses

In strong shaking,



of  
unbraced mobile  
homes can fall off  
their foundations,  
as in the 1994  
Northridge  
earthquake.

In 3 mobile home parks  
in the Northridge  
earthquake,



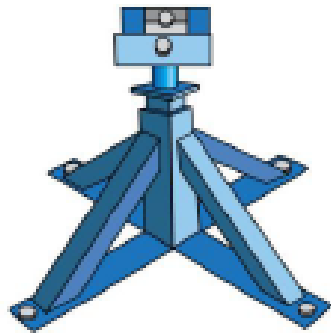
mobile homes  
burned. Several  
ignitions were because  
of mobile home  
collapse.



Earthquakes  
much larger than  
**1989 and 1994**  
are inevitable  
and could  
happen any day.

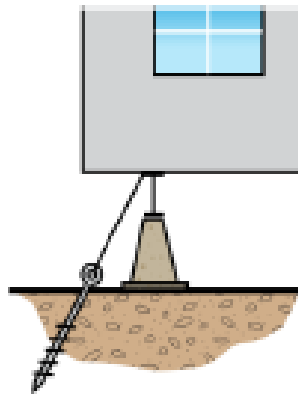
# Some Styles of Bracing

***Reduce or prevent collapse***



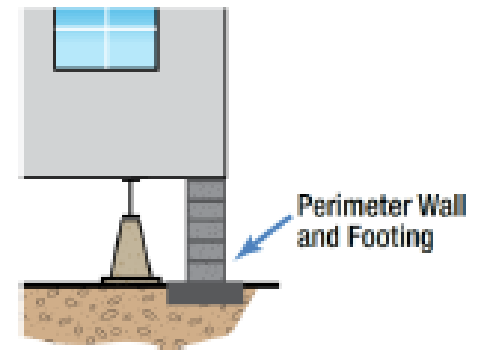
**Good:** Earthquake Resistant  
Bracing System (ERBS)  
\$3,000-\$5,000

OR



**Better:** Engineered Tie-down  
System (ET S)  
\$1,000-\$2,000

OR



**Best:** Reinforced concrete or  
reinforced masonry foundation  
\$5,000-\$50,000

# Do I need to be concerned about a tsunami in HB?

What is a tsunami?

- HB worst case is a wave 30 feet high
- Can be here in 15 minutes to 10 hours
- Series of waves
- Surge of water
- 15 to 20 min. between crest
- Tsunami's travel approximately
  - 475 mph in 15,000 feet of water
  - 40 mph in 100 feet of water



# Have a Family Plan

- Know how & when to evacuate your home & if it is needed
- Have a family reunification plan for when you are home
- Have a reunification plan for when you are all not at home
- Will you shelter in place or need to evacuate?
- What route (& several alternates) will you use to evacuate your neighborhood?
- Plan for family members with special needs
- Plan for kids home alone
- Do you have your own transportation?
- Do you practice your plan?



# Document Your Life

## Documents

- Copies of important documents
- Store in fireproof box, on a flash drive or with friends out of state
- Recent photo of each family member
- Have extra cash, small bills & change





# Grab & Go Bags - One bag for each person

Attach the bag to your bed

- Flashlight w/extra batteries
- Portable radio w/extra batteries
- Sturdy shoes; socks; change of clothes
- Extra car & house keys
- Whistle
- Sunscreen
- Out of state contact #
- One week supply of medications
- Extra pair of glasses or contacts
- Food/snacks
- Packets of water




# Grab & Go Bag for your Pets!

- Food/water
- Medications
- Extra leash or carrier
- Toy
- If you need to evacuate, take pets with you!



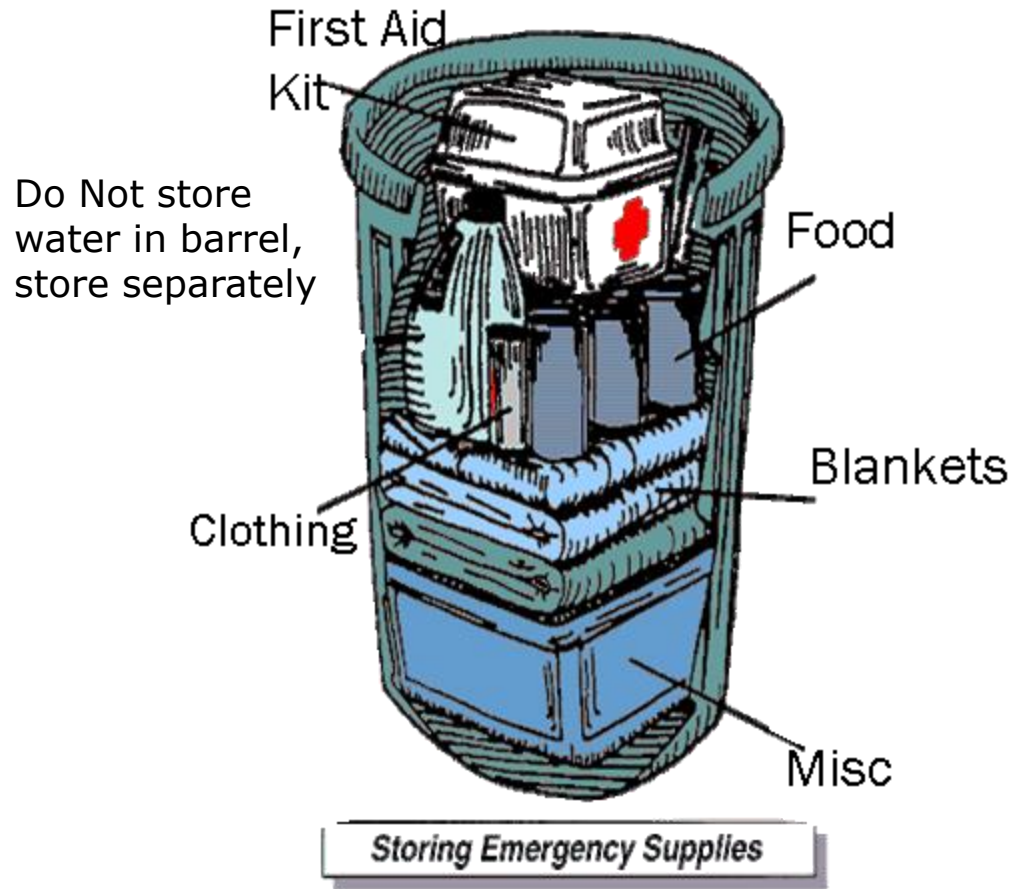
# Car Kit

# What do you need in your vehicle to survive?

- Portable earthquake kit including long lasting food/water
  - First aid kit
  - Maps showing alternate routes home
  - Jacket, comfortable shoes, & safety items
  - Consider ½ tank of gas as empty
  - When you are driving, an earthquake may feel like a flat tire
  - During earthquake pull to side of road if safe; avoid over or under passes, power poles, etc;
  - Stay in car w/engine off
- 



# 72 Hour Supply Kit - (This is in addition to grab & go bags)



- Flashlights & batteries
- Sturdy Shoes
- Portable radio
- Wrench
- Food
- First Aid Kit
- Bedding/Camping gear
- Cooking gear
- Personal Supplies
- Clothing

# Water Supplies

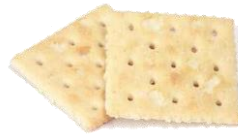
- Have 1 gal of drinking water, per person per day
- Need extra water for medical use; cooking; cleaning
- Replace home stored tap water every six months
- Store 3-days to 2 weeks supply of water
- Store water separately from emergency kit in cool, dark & dry place
- Do not store on concrete or in garage





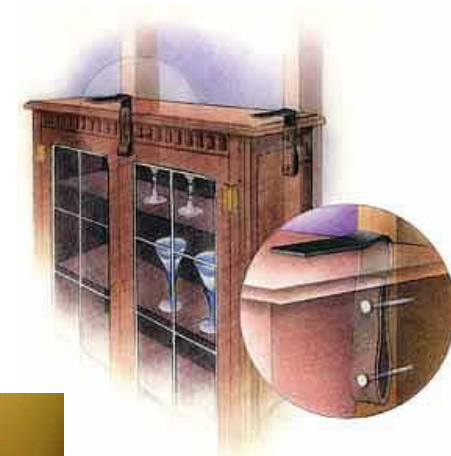
# Food Supplies

- Have nonperishable foods that your family likes
- Avoid foods that require a lot of water to prepare
- Remember special dietary needs
- Include baby, toddler food if needed
- Include pet food
- Have a 3-days to 2 weeks supply of emergency food
- Include a can opener for cans without pop tops
- Consider freeze dried kits you can order on-line



# Secure Heavy Furniture

- All furniture that is taller than the shortest person in the house should be attached to the wall



# What happens when you don't secure your belongings?



# Emergency Lighting

- Have several flashlights & extra batteries
- Light sticks make great light source
- Emergency wall lighting units
- Put emergency lights throughout house like at the top/bottom stairs, bedrooms, exits



# Fire prevention

- Have smoke detectors in all rooms
- Have Carbon Monoxide detectors
- Have two fire extinguishers
- Learn how to operate them
- Have a fire evacuation plan
- Practice fire drills





# Are you ready for the “Big One”?



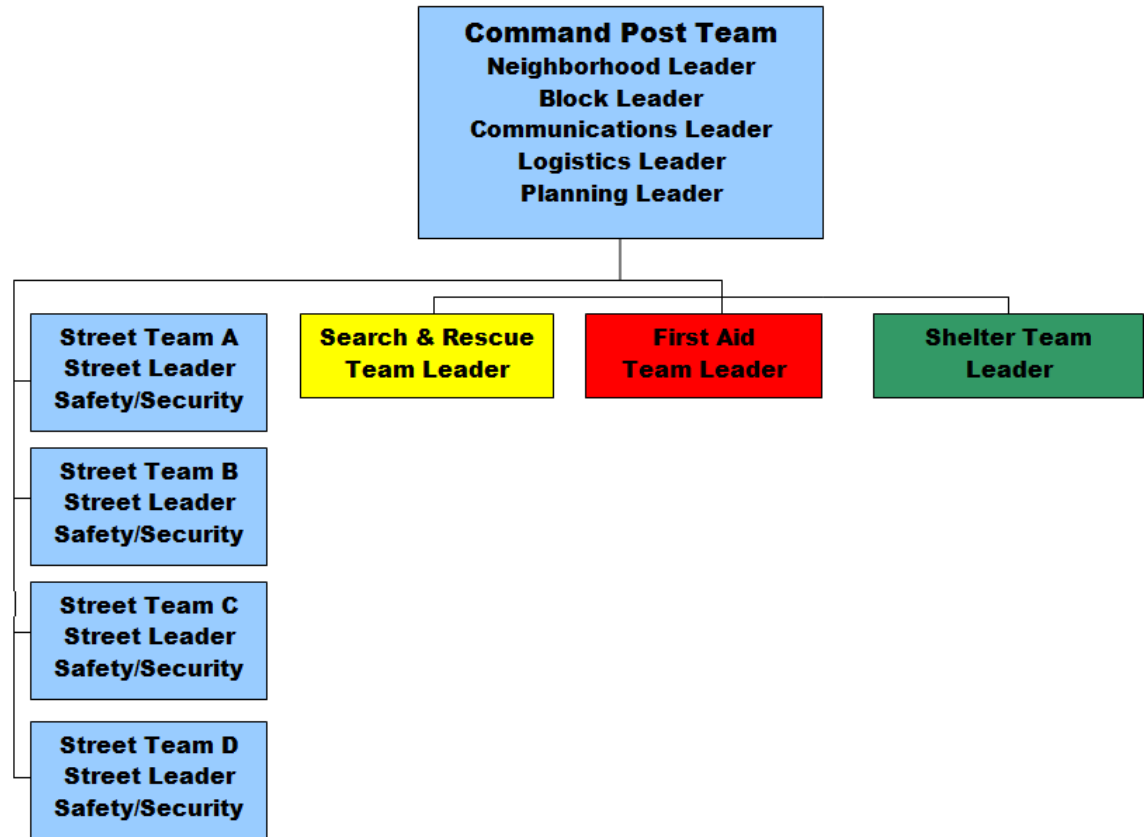
# What Can You Do

## Get Trained

- CERT Community Emergency Response Team
- Red Cross First Aid & CPR
- Create a Neighborhood Team
- Purchase a First Aid Kit & have everyone become familiar with the kit's location & contents



# Create a Neighborhood Team



Ideal CERT Team:

4 Command Post

4 Search & Rescue

5 First Aid

5 Block Leader and 2 Street Teams

3 Shelter Team

21 Team Members

# How to Start a Neighborhood Team

- Recruit at least 10 neighbors
- Schedule an in-neighborhood training
- Find a location
- Schedule a date and time
- Call Carol Burtis & request a speaker  
714-536-5979
- HBFD CERT will send a trained speaker with handouts to your neighborhood meeting



City of Huntington Beach  
Neighborhood Disaster Planning Guide

2019

City of Huntington Beach  
CERT



Neighborhood Disaster Planning Guide Lists  
*"Start Where You Stand"*